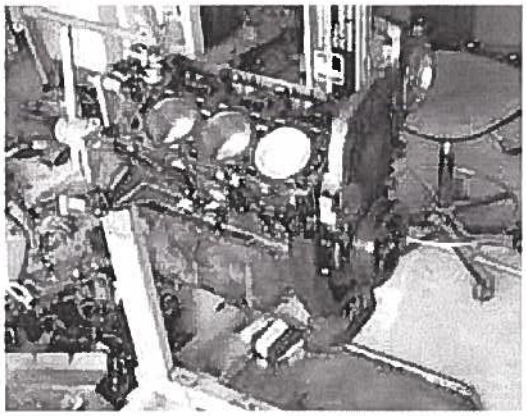
Rebuilding



Rebuilding the 60° V-6 isn't harder than any other engine, besides the difficulty of finding replacement parts and more difficulty finding performance parts. The picture is of a 3.1 block bored 1mm over and fitted with TRW hyperutectic pistons. Ive rebuilt my 3.1 twice and both times took around 4 months to complete considering time waiting for parts, and labor. To refurbish, would cost around $300 for new pistons and a gasket set. It gets even more expensive of course if it has to be bored or honed, and itll take alot more time.

Here is a chart of engine size after various overbore sizes.

Safe	Risky	Unsafe

2.8

Bore (mm)	Stroke (mm)	" over	cc's	litre's
89	76	std	2836	2.8
89.5	76	.020"	2868	2.9
90	76	.040"	2900	2.9
90.5	76	.060"	2933	2.9
91	76	.080"	2965	3.0
91.5	76	.100"	2998	3.0
92	76	.120"	3031	3.0

3.1

Bore (mm)	Stroke (mm)	" over	cc's	litre's
89	84	std	3135	3.1
89.5	84	.020"	3170	3.2
90	84	.040"	3206	3.2
90.5	84	.060"	3242	3.2

91.5	84	.100"	3314	3.3
92	84	.120"	3350	3.4

3.4

Bore (mm)	Stroke (mm)	" over	cc's	litre's
92	84	std	3350	3.4
92.5	84	.020"	3386	3.4
93	84	.040"	3423	3.4
93.5	84	.060"	3460	3.5
94	84	.080"	3497	3.5
94.5	84	.100"	3534	3.5
95	84	.120"	3572	3.6

Repair manuals make the work alot easier, if your serious about rebuilding, check into one of these three great books. Each book is under $20, and available from amazon.com.